Lubricants for elastic fiber

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Abstract of **TW 562889 (B)**

The present invention provides a lubricant for elastic fibers which comprises an amphoteric surfactant (A1) and/or a cationic surfactant (A2) as well as a base oil (B) and has a surface tension thereof at 25 DEG C of 14 to 35 mN/m and a volume resistivity thereof at 20 DEG C of 1x10<7> to 1x10<13> Omega.cm; a lubricant for elastic fibers which comprises an ionic surfactant (A) and a base oil (B) and has a surface tension (S) thereof at 25 DEG C of 14 to 22.5 mN/m and a volume resistivity (rho) thereof at 20 DEG C of 1x10<7> to 1x10<13> Omega.cm, rho and S satisfying the following relation [1]: rho <= 1X10<(-2.4S+61)>; a spin finish for elastic fibers which comprises a quaternary ammonium salt of the specific composition, a base oil and a higher fatty acid (C5-30) metal salt powder; ; a method of treating an elastic fiber which comprises providing an elastic fiber with any of the above lubricant for elastic fibers in an amount of 0.1 to 12% by weight of said fiber; and an elastic fiber which is obtainable by the above treatment method.